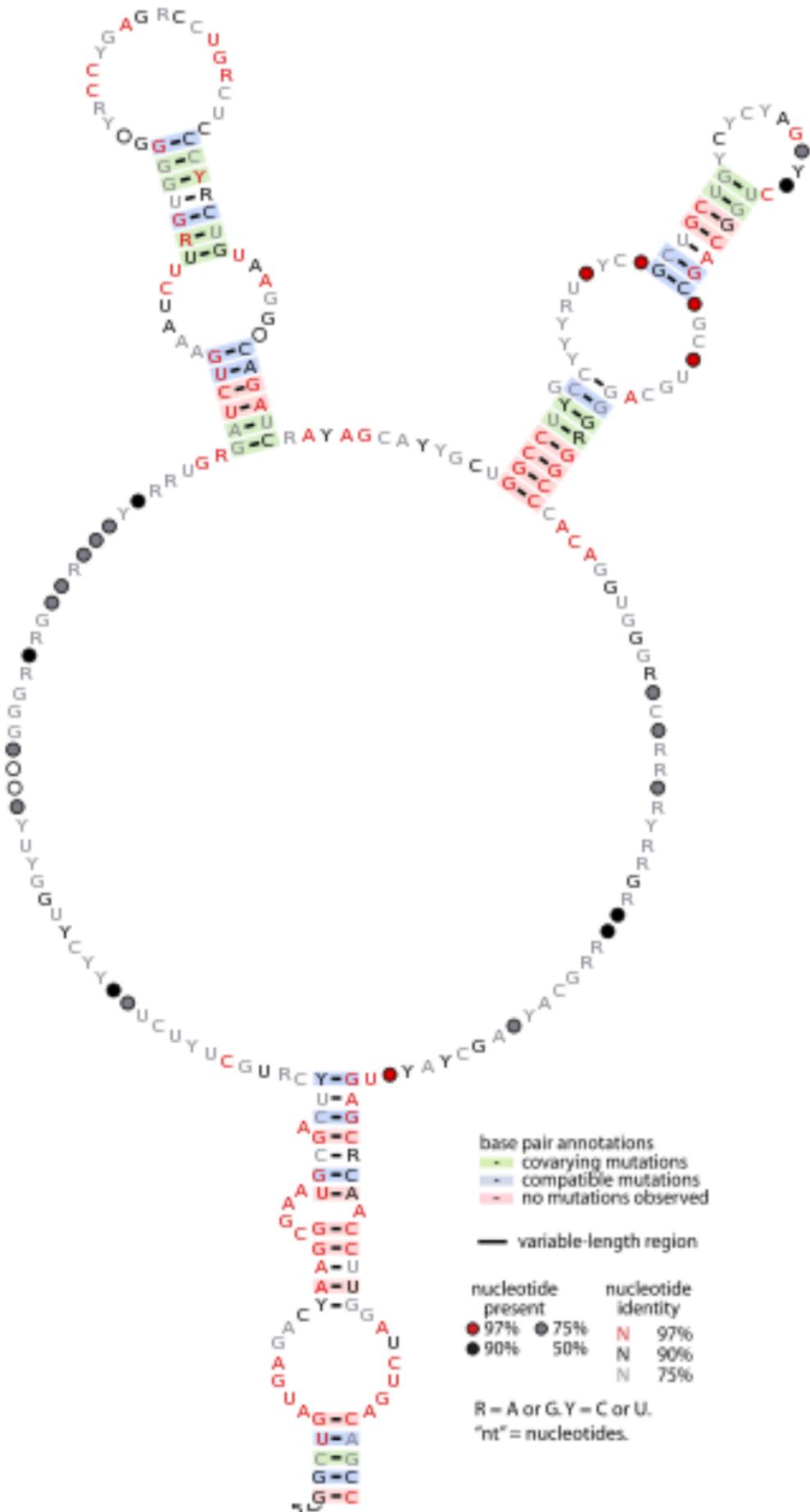
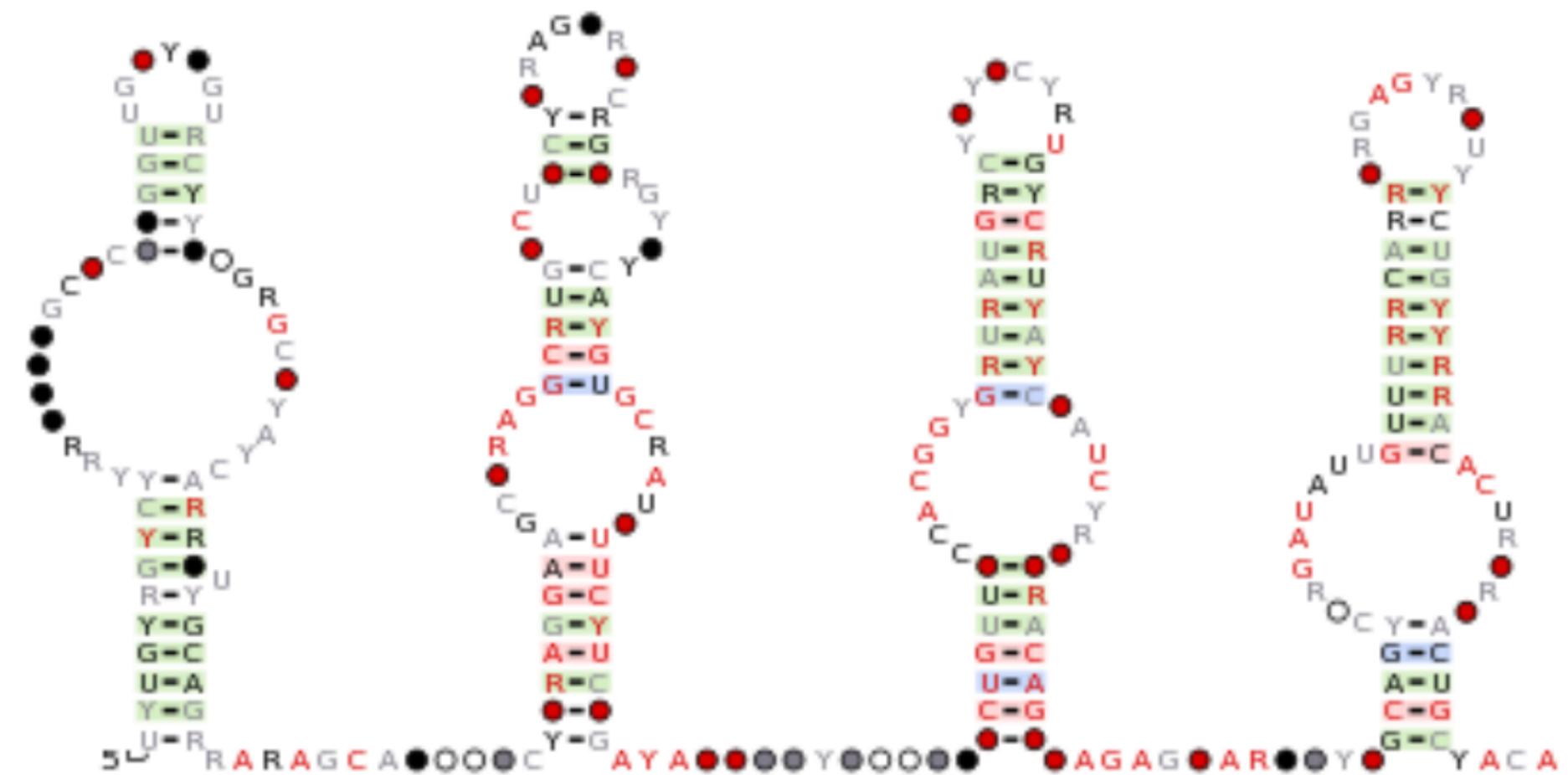


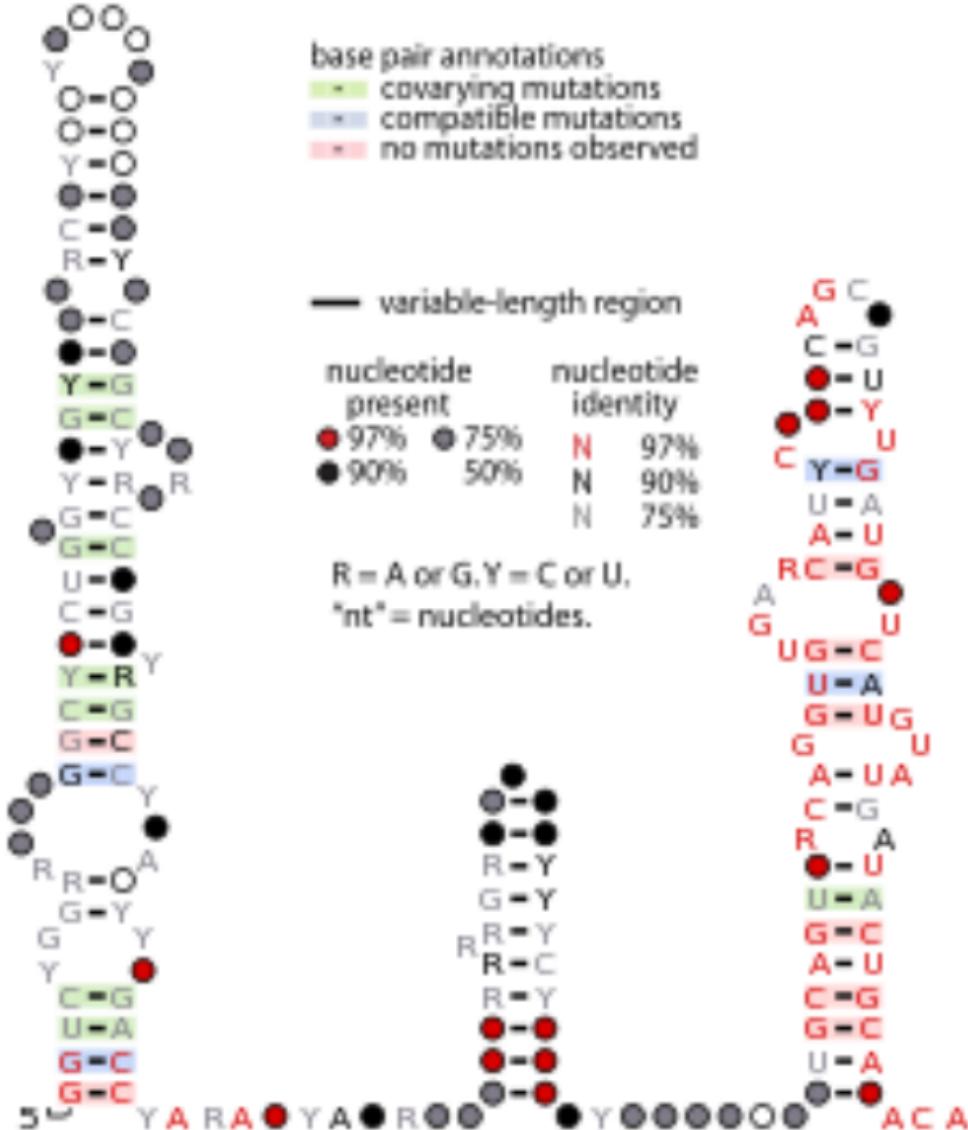
scaRNA12/U89



4rtam_scaRNA13_stk



scaRNA16



scaRNA6

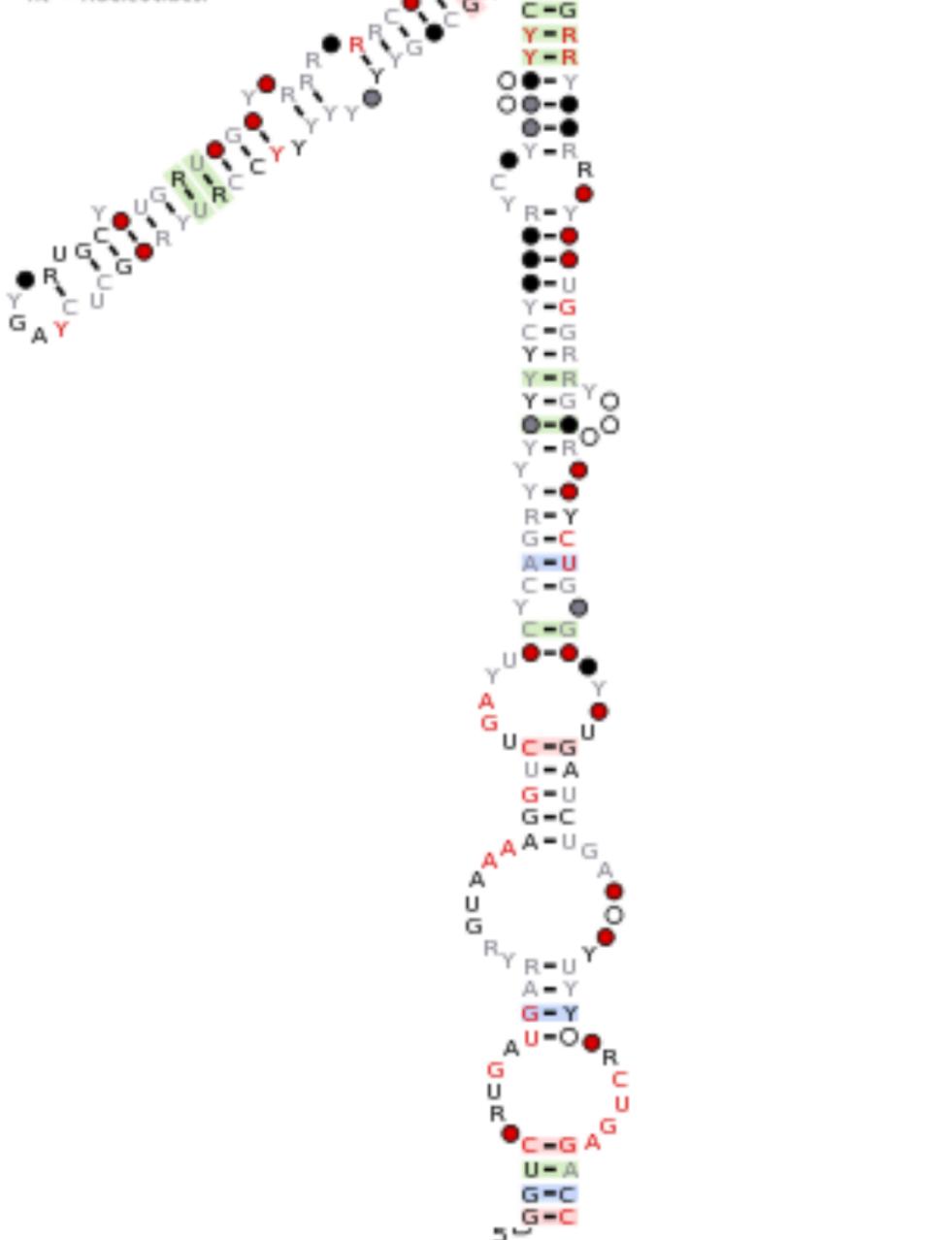
base pair annotations
- covarying mutations
- compatible mutations
- no mutations observed

— variable-length region

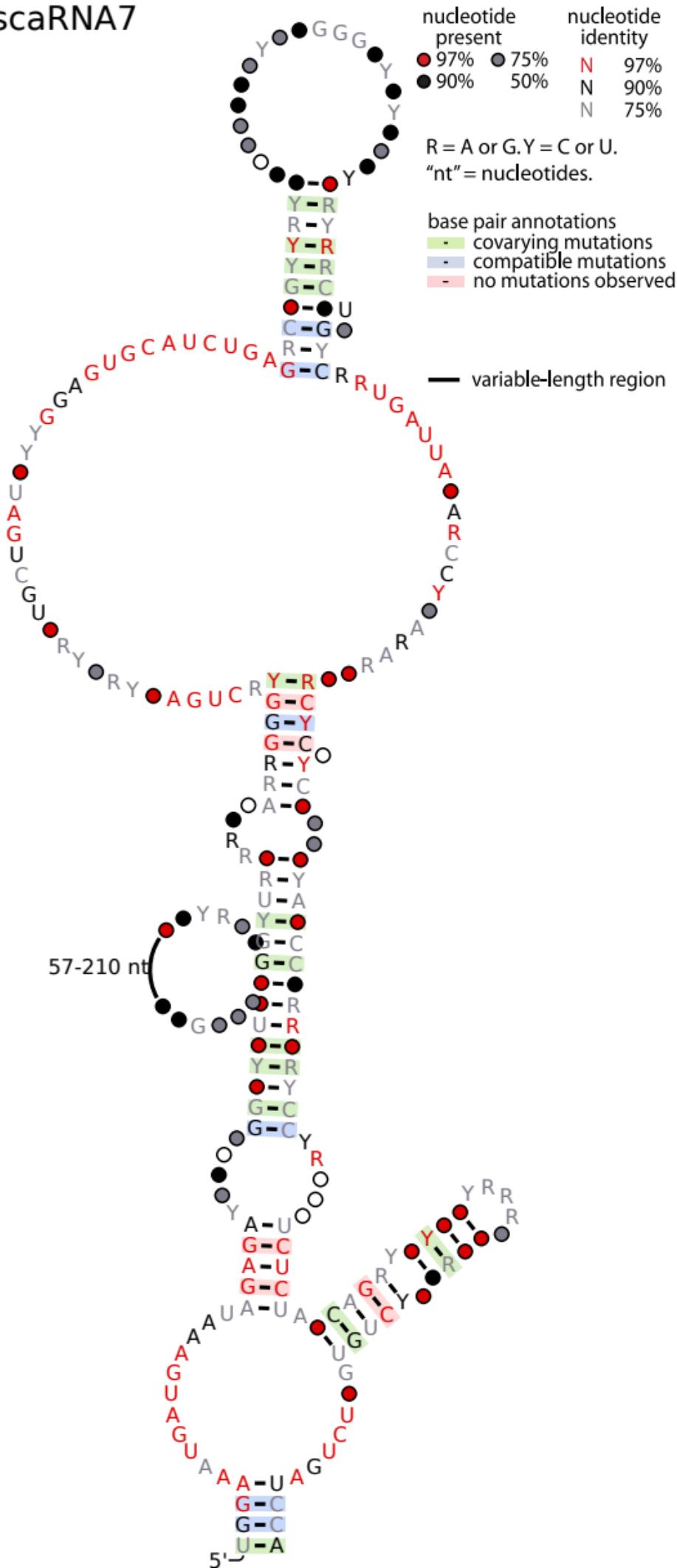
nucleotide present nucleotide identity
● 97% ● 75% N 97%
● 90% 50% N 90%
● 80% 0% N 75%

$$R = A \text{ or } G, Y = C \text{ or } U.$$

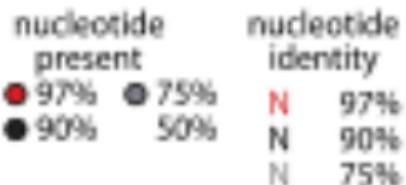
"nt" = nucleotides.



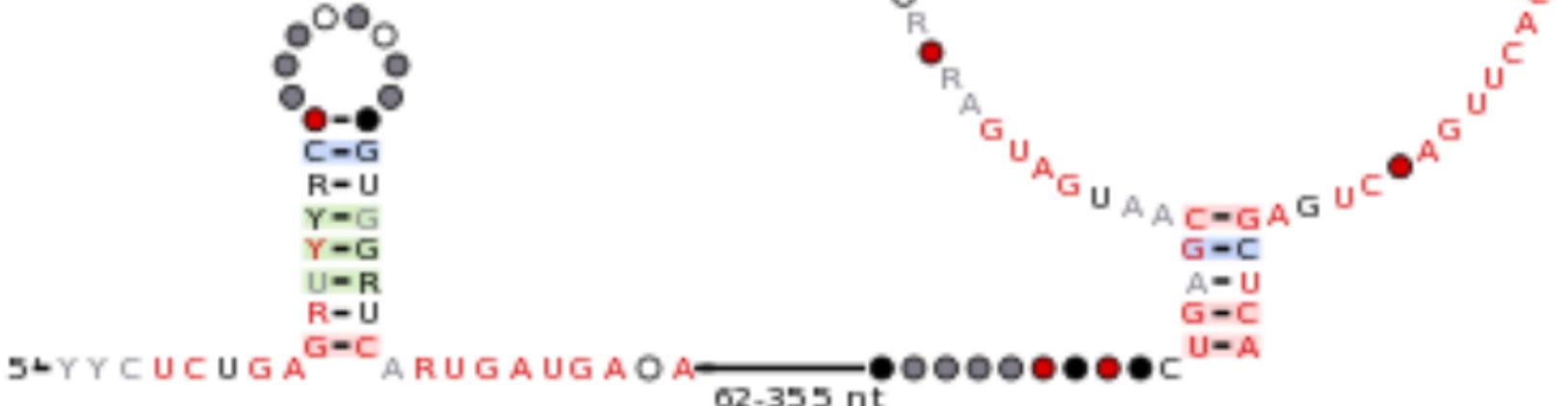
scaRNA7



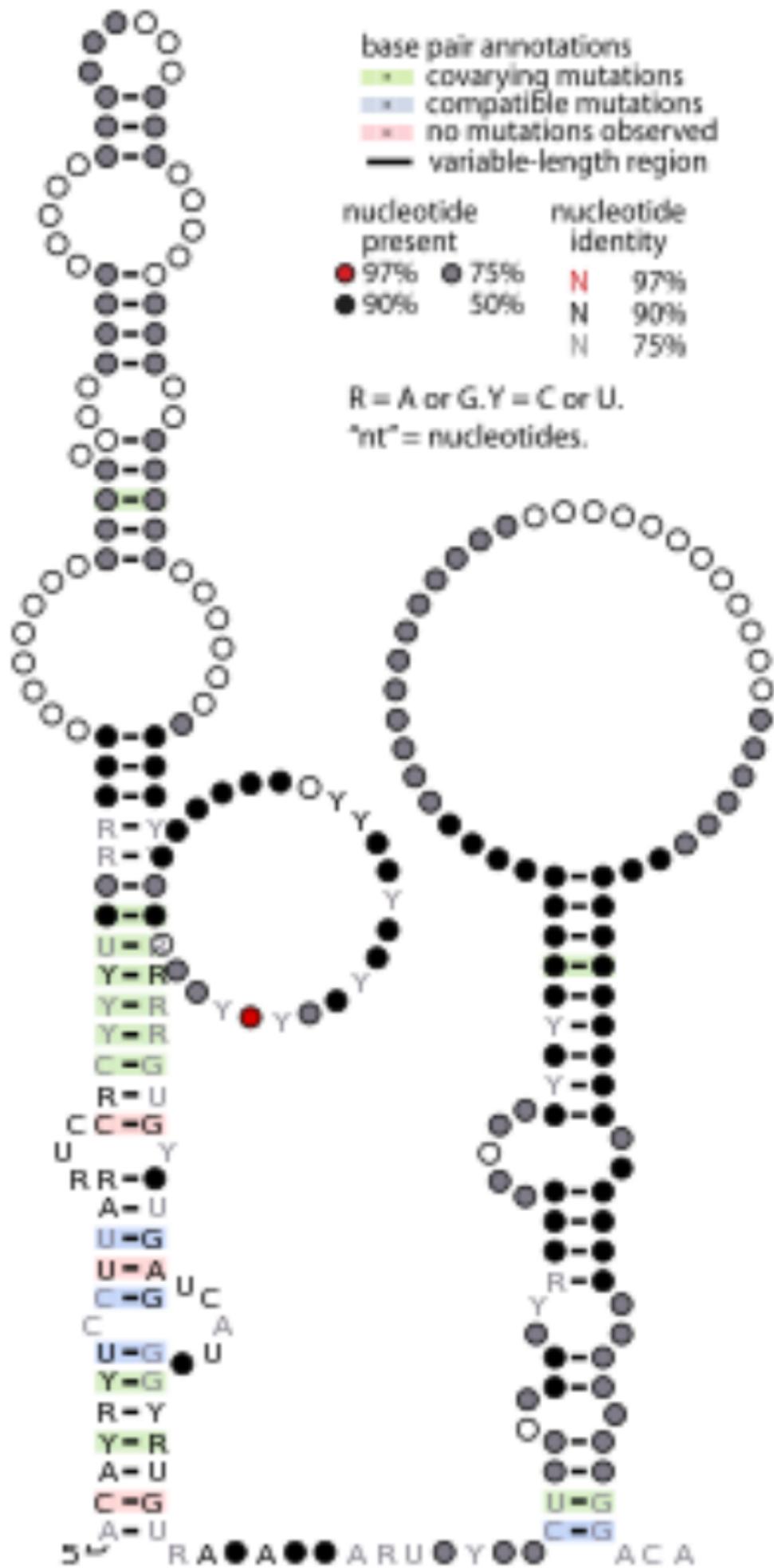
scaRNA9



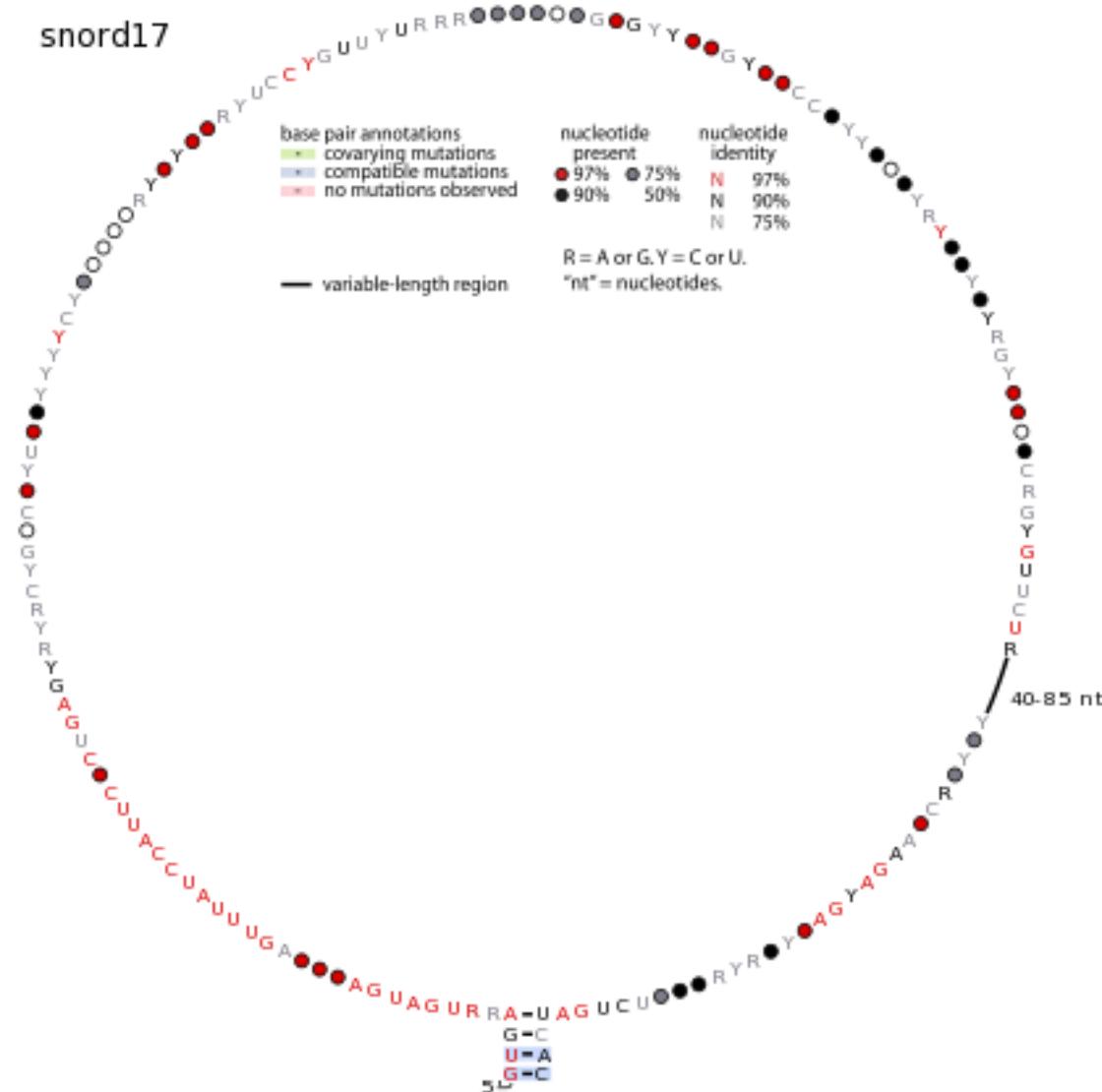
R = A or G. Y = C or U.
"nt" = nucleotides.



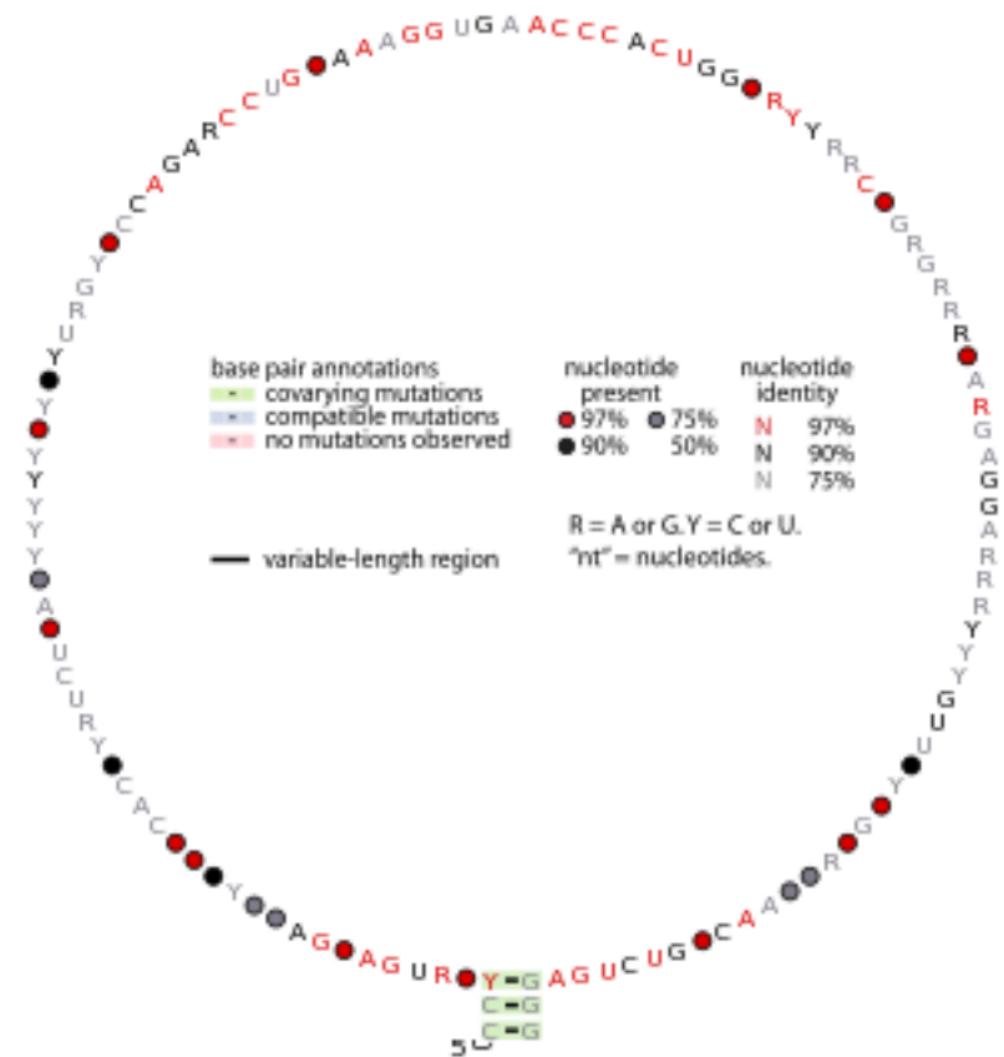
snora53

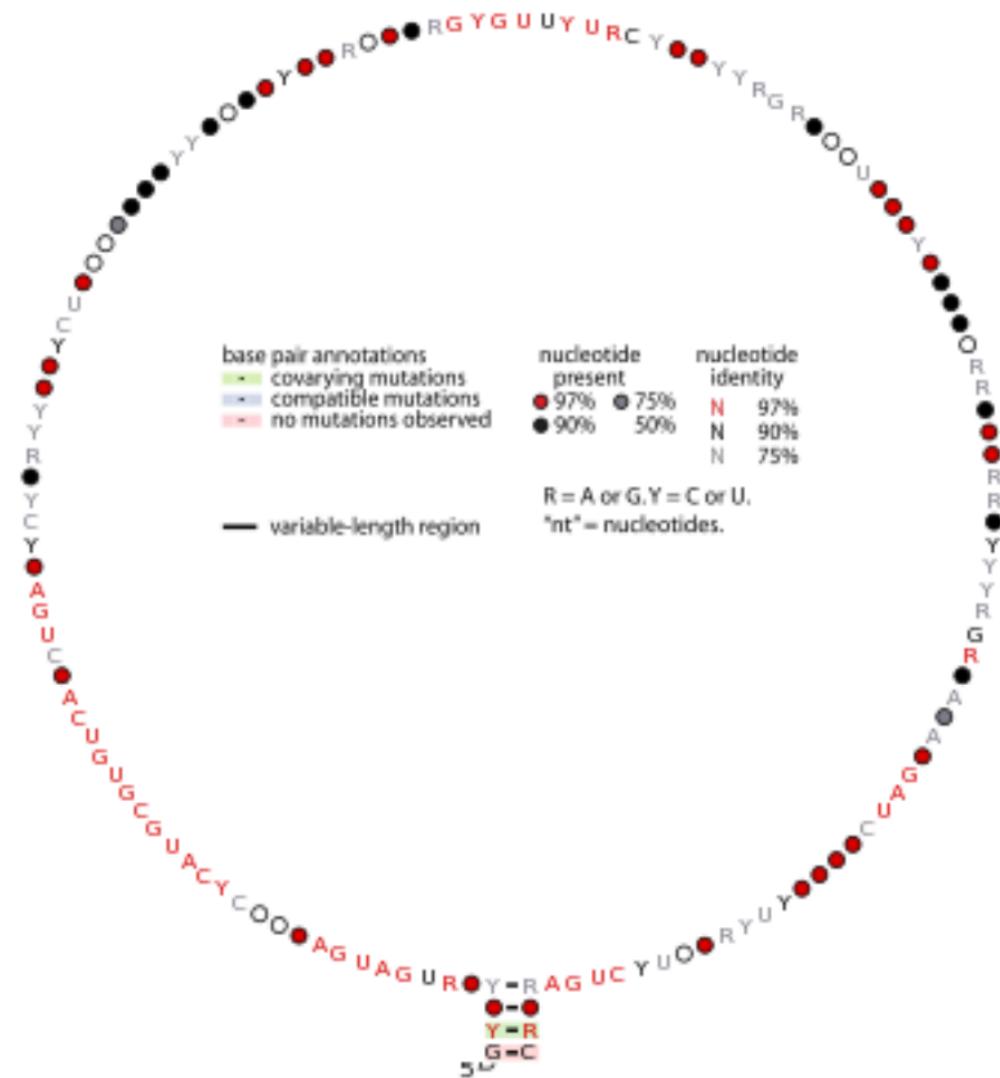


snord17



snord22





base pair annotations
■ covarying mutations
■ compatible mutations
■ no mutations observed
— variable-length region

nucleotide	nucleotide
present	identity
● 97%	● 75%
● 90%	● 50%
	N 97%
	N 90%
	N 75%

R = A or G, Y = C or U.

"nt" = nucleotides.

